Performance Data Sheet

AE4460U-FZ1C

General Information

Model	AE4460U-FZ1C	**Refrigerant**	R-290
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-15	Watts (Capacity)	889	769	675	572
	Watts (Power)	370	411	449	482
	Amps	2.65	2.77	2.91	3.01
	Lb/h	11.5	11.0	11.0	10.7
-10	Watts (Capacity)	1090	951	828	689
	Watts (Power)	389	440	489	534
	Amps	2.72	2.87	3.05	3.21
	Lb/h	13.8	13.3	13.1	12.7
-6.7	Watts (Capacity)	1240	1090	946	785
	Watts (Power)	400	458	514	567
	Amps	2.76	2.93	3.14	3.34
	Lb/h	15.5	15.0	14.8	14.2
-5	Watts (Capacity)	1320	1160	1010	840
	Watts (Power)	405	466	526	583
	Amps	2.78	2.97	3.19	3.40
	Lb/h	16.4	15.9	15.6	15.0
0	Watts (Capacity)	1570	1390	1220	1020
	Watts (Power)	416	487	559	628
	Amps	2.82	3.05	3.31	3.58
	Lb/h	19.1	18.7	18.4	17.7
5	Watts (Capacity)	1830	1640	1450	1220
	Watts (Power)	421	502	585	667
	Amps	2.84	3.10	3.42	3.75
	Lb/h	21.8	21.6	21.4	20.7
7.2	Watts (Capacity)	1950	1750	1550	1310
	Watts (Power)	420	506	594	682

	Amps	2.84	3.12	3.46	3.81
	Lb/h	23.0	22.9	22.7	22.0
10	Watts (Capacity)	2110	1900	1690	1440
	Watts (Power)	417	509	603	698
	Amps	2.84	3.13	3.50	3.88
	Lb/h	24.5	24.5	24.4	23.8
15	Watts (Capacity)	2380	2170	1940	1670
	Watts (Power)	402	505	612	720
	Amps	2.79	3.13	3.54	3.98
	Lb/h	27.1	27.4	27.5	26.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.50113E+03	2.29605E+02	2.82959E+00	2.59150E+01
C2	5.30747E+01	-3.17057E+00	-1.13890E-03	3.75221E-01
C3	-4.79259E+01	5.10300E+00	-2.57337E-02	-4.73897E-01
C4	1.17363E-01	-1.49732E-01	-4.93620E-04	-3.27555E-03
C5	1.30418E-01	1.24210E-01	-4.96462E-05	8.27661E-03
C6	7.40627E-01	4.94275E-02	1.05728E-03	1.07788E-02
C7	-6.86543E-03	-2.28298E-03	-1.05177E-05	-1.13907E-04
C8	5.59384E-03	5.02003E-04	1.62516E-06	1.37850E-04
C9	-6.34256E-03	1.16089E-03	1.08156E-05	-8.52281E-05
C10	-5.89860E-03	-3.96557E-04	-6.97652E-06	-8.59692E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature